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OPS-1489  
COPY 1 OF 1

# Westinghouse

ELECTRIC CORPORATION



AIR ARM DIVISION

PHONE: LINTHICUM 1000  
FRIENDSHIP INT'L AIRPORT  
BOX 746, BALTIMORE 3, MD.

12 June 1958

SUBJECT: Contract TA-3034  
Westinghouse Reference AAD-30465  
Monthly Progress Report #12

*file*  
TA-3034  
T+P

In accordance with Item 3 of the subject contract,  
forwarded herewith are three (3) copies of Monthly  
Progress Report #12 on the Terrain Avoidance Radar  
System for the period from 30 April 1958 to 31 May  
1958.

A copy of this report is being sent direct to

of WADC.

Sales Engineer

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YOU CAN BE SURE... IF IT'S Westinghouse

**DPS-1469**  
COPY 1 OF 3

MONTHLY PROGRESS REPORT #12

on the

TERRAIN AVOIDANCE RADAR SYSTEM

For the period from

April 30, 1958 to May 31, 1958

G.O. AAN - 30465

NOTICE: This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Section 793-794. The transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

WESTINGHOUSE ELECTRIC CORP.

Air Arm Division

P.O. BOX 746

Baltimore 3, Maryland

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[REDACTED]

MONTHLY PROGRESS REPORT #12

on the

TERRAIN AVOIDANCE RADAR SYSTEM

For the period from

April 30, 1958 to May 31, 1958

Bench testing of the final model units was continued during the month. Tests were completed on the "E" Scope and R-T. Tests have yet to be completed on the Power Supply, Synchronizer and "X" Scope. Some difficulty was encountered with oscillation of the control amplifiers in the power supply.

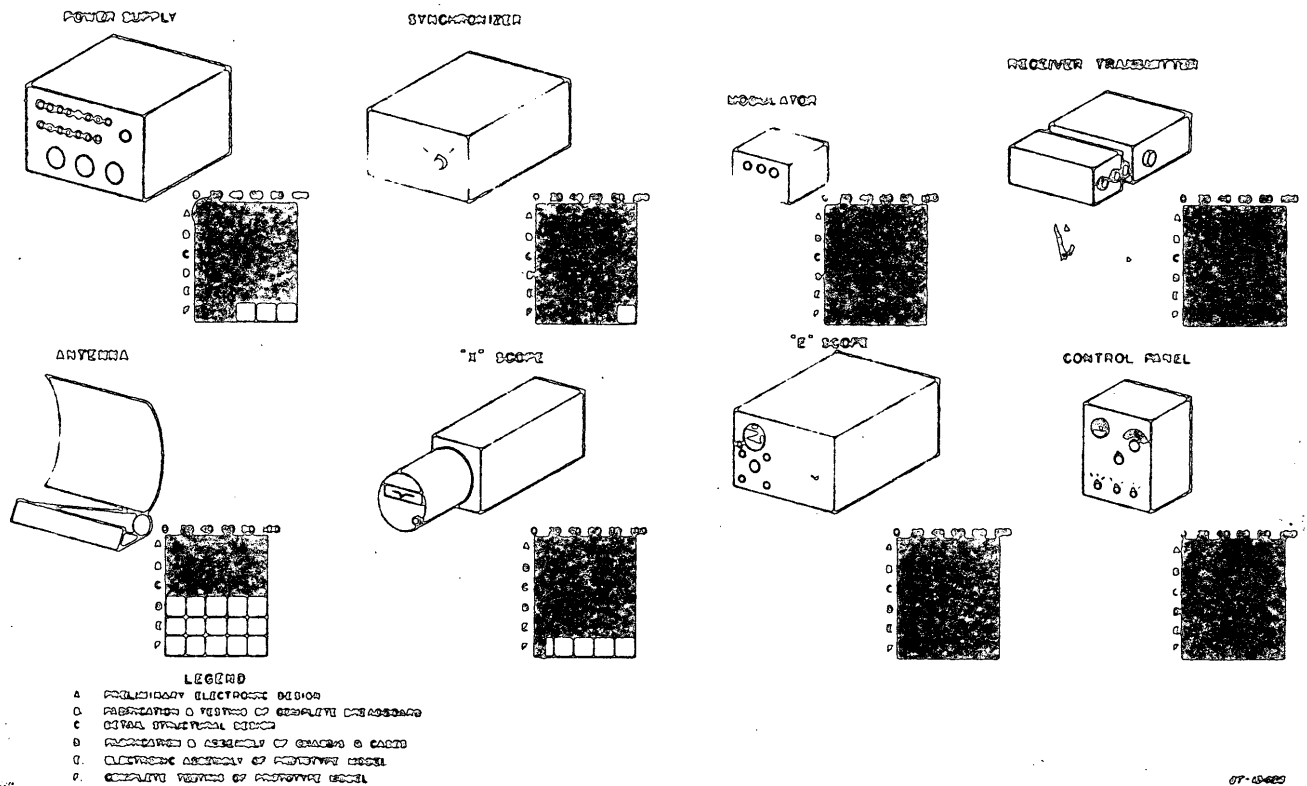
Operation of the breadboard composite set-up was continued. The 400 cycle modulation of the "X" Scope intensity was eliminated. It appears that the dynamic range of the storage CRT is much smaller than originally claimed by the manufacturer. It requires only about 3 volts to go from black to full brilliance. With such a small video range it may be necessary to use standardized video in the signal circuits.

The entire breadboard system was moved to a better location which is about 30 feet higher above terrain and where the radar can look above some nearby interfering objects. Reassembly of the system in the new location will be completed shortly and breadboard composite testing resumed. During the next month the breadboard units will be replaced by final model units for the composite test set-up.

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STATUS OF TERRAIN AVOIDANCE RADAR MAY 31, 1958



DT-64-625